# AUTHOR INDEX

## 1982

## Volumes 84–86

Throughout this index, bold numerals are used to denote the volume number; lightface numerals denote the pages.

*Starred items are "Shorter Notes".


Akasaki, Takeo. *A note on nonfinitely generated projective $Z\pi$-modules*, **86**, 391.

Alam, Mahfooz. See Zaheer, Neyamat.

Albertson, Michael O. and Stromquist, Walter R. *Locally planar toroidal graphs are 5-colorable*, **84**, 449.

Alexander, H. *On zero sets for the ball algebra*, **86**, 71.

Alniaçik, K. *On $U_m$-numbers*, **85**, 499.

Al-Salam, W. A. and Verma, A. *Some remarks on q-beta integral*, **85**, 360.

Altin, Abdullah. *Some expansion formulas for a class of singular partial differential equations*, **85**, 42.

Altin, Abdullah and Young, Eutiquio C. *Decomposition formulas for a class of partial differential equations*, **84**, 543.

Amann, Herbert. *A note on degree theory for gradient mappings*, **85**, 591.

Amar, Eric. *Sur le volume des zéros des fonctions holomorphes et bornées dans la boule de $C^n$*, **85**, 47.

Anandam, Victor. *Subharmonic functions outside a compact set in $R^n$*, **84**, 52.

Anderson, D. D. *Globalization of some local properties in Krull domains*, **85**, 141.

Aramova, Annetta G. and Avramov, Luchezar L. *When do the symmetric tensors of a commutative algebra form a Frobenius algebra?*, **85**, 299.

Arazy, Jonathan. *Certain Schur-Hadamard multipliers in the spaces, $C_p$*, **86**, 59.

Arikan, Nilgün. *A simple condition ensuring the Arens regularity of bilinear mappings*, **84**, 525.

Armendariz, Efraim P. *On semiprime rings of bounded index*, **85**, 146.

Armstrong, M. A. *Calculating the fundamental group of an orbit space*, **84**, 267.

Askey, Richard. *Two integrals of Ramanujan*, **85**, 192.

Avramov, Luchezar L. See Aramova, Annetta G.

Azoff, E., Clancey, K. and Gohberg, I. *On line integrals of rational functions of two complex variables*, **86**, 229.

Baker, J. M. *Reflexivity of operator spaces*, **85**, 366.

Bárány, Imre, Katchalski, Meir and Pach, Janos. *Quantitative Helly-type theorems*, **86**, 109.

Barth, K. F. and Clunie, J. G. *A bounded analytic function in the unit disk with a level set component of infinite length*, **85**, 562.

Basmaji, B. G. *Rational nonlinear characters of metabelian groups*, **85**, 175.

Bates, Peter W. *Reduction theorems for a class of semilinear equations at resonance*, **84**, 73.

Batty, C. J. K. *Nuclear faces of state spaces of C*-algebras*, **86**, 275.

Beardon, Alan F. *Lie products, closed geodesics and Fuchsian groups*, **85**, 87.

Beaver, Bradley, Sario, Leo and Wang, Cecilia, *Spherical harmonics generating bounded biharmonics*, **84**, 485.

Bečvář, Jindřich. *Intersections of $\Gamma$-isotype subgroups in abelian groups*, **86**, 199.

Beem, R. Paul. See Peltier, Charles F.

Beer, Gerald. *On Dini's theorem and a metric on $C(X)$ topologically equivalent to the uniform metric*, **86**, 75.

———. *Cone lattices of upper semicontinuous functions*, **86**, 81.

*Bekes, Robert A. *A closed infinite dimensional reflexive left invariant subspace of $L_\infty(G)$*, **85**, 487.

Bell, Steven R. *A Sobolev inequality for pluriharmonic functions*, **85**, 350.

Benavides, Tomás Dominguez. *Generic existence of a solution for a differential equation in a scale of Banach spaces*, **86**, 477.

Bennett, Colin. *Another characterization of BLO*, **85**, 552.

Bennett, H. R. *A short proof that compact quasidevelopable spaces are metrizable*, **86**, 667.

Berman, Robert D. *Elementary proofs of some asymptotic radial uniqueness theorems*, **86**, 226.

Bertuccioni, Inta. *An anisotropic locally hyperbolic quadratic space*, **85**, 529.

Bessenrodt, Christine. *A criterion for finite module type*, **85**, 520.

Bhatt, Subhash J. *On Jordan representations of unbounded operator algebras*, **84**, 393.

Bilyeu, Russell G. and Lewis, Paul W. *Norm attaining operators and norming functionals*, **85**, 245.
———. *Differentiability of convex functions and Rybakov's theorem*, **86**, 186.
Blasco, Jose L. *A note on spaces in which every open set is z-embedded*, **85**, 444.
de Blasi, F. S. and Boudourides, M. A. *Characteristic exponents and some applications to differential equations*, **86**, 464.
Blum, J. R. and Reich, J. I. *Strongly ergodic sequences of integers and the individual ergodic theorem*, **86**, 591.
Bojanov, B. D. *Proof of a conjecture of Erdos about the longest polynomial*, **84**, 99.
de Boor, Carl and Höllig, Klaus. *Recurrence relations for multivariate B-splines*, **85**, 397.
Borwein, Jonathan M. *On the Hahn-Banach extension property*, **86**, 42.
Bosch, C. See Kucera, J.
Boudourides, M. A. See de Blasi, F. S.
Bowers, Philip L. *Detecting cohomologically stable mappings*, **86**, 679.
Brandt, Jorgen. *Cycles of partitions*, **85**, 483.
Brechner, Beverly and Brown, Morton. *Mapping cylinder neighborhoods in the plane*, **84**, 433.
Breen, Marilyn. *A Krasnosel'skiĭ-type theorem for points of local nonconvexity*, **85**, 261.
———. *Clear visibility and the dimension of kernels of starshaped sets*, **85**, 414.
Bridges, Douglas S. *Lipschitz constants and moduli of continuity for the Chebyshev projection*, **85**, 557.
Briem, Eggert. *Peak sets for the real part of a function algebra*, **85**, 77.
Brown, D. R. and Stepp, J. W. *Inner points and breadth in certain compact semilattices*, **84**, 581.
Brown, Edgar H., Jr. *The cohomology of $BSO_n$ and $BO_n$ with integer coefficients*, **85**, 283.
Brown, Morton. See Brechner, Beverly.
Brunner, A. M. and Ratcliffe, J. G. *Finite 2-complexes with infinitely-generated groups of self-homotopy-equivalences*, **86**, 525.
Buck, R. Creighton. *Nomographic functions are nowhere dense*, **85**, 195.
Bultheel, Adhemar. *Inequalities in Hilbert modules of matrix-valued functions*, **85**, 369.
Burry, David W. and Carlson, Jon F. *Restrictions of modules to local subgroups*, **84**, 181.
Calabi, Eugenio. *Linear systems of real quadratic forms. II*, **84**, 331.
Całka, Aleksander. *Local isometries of compact metric spaces*, **85**, 643.
Cambern, Michael and Greim, Peter. *The bidual of $C(X, E)$*, **85**, 53.
Camillo, V. P. and Fuller, K. R. *On graded rings with finiteness conditions*, **86**, 1.
Cano, J. *Common fixed points for a class of commuting mappings on an interval*, **86**, 336.
Carlson, Jon F. See Burry, David W.
do Carmo, M. and Dajczer, M. *Riemannian metrics induced by two immersions*, **86**, 115.
Carmona Domenech, J. J. *A necessary and sufficient condition for uniform approximation by certain rational modules*, **86**, 487.
Carr, Donna M. *The minimal normal filter on $P_\kappa\lambda$*, **86**, 316.
Cater, F. S. *When total variation is additive*, **84**, 504.
Chaber, Józef. *Perfect images of p-spaces*, **85**, 609.
Chan, K. Y., Chen, Y. M., Liu, M. C. and Ng, S. M. *An example on strong unicity constants in trigonometric approximation*, **84**, 79.
Chang, Kung-Ching and Shujie, Li. *A remark on expanding maps*, **85**, 583.
Charalambous, M. G. *The dimension of inverse limit and N-compact spaces*, **85**, 648.
Charitos, Leonidas and Papastravridis, Stavros. *A note on the divisibility of certain Chern numbers*, **84**, 272.
Chatterjee, S. See Yadav, B. S.
Chen, Matthew S. *Height one differential ideals in polynomial rings*, **86**, 561.
Chen, Y. M. See Chan, K. Y.
Cheng, Ying. *On double centralizer subgroups of some finite p-groups*, **86**, 205.
Chiang, Tzuu-Shuh. *A note on the irreducibility of Lebesgue measure with applications to random walks on the unit circle*, **85**, 603.
Chicone, Carmen and Shafer, Douglas S. *Quadratic Morse-Smale vector fields which are not structurally stable*, **85**, 125.
Choda, Marie. *Characterization of approximately inner automorphisms*, **84**, 231.
———. *Inner amenability and fullness*, **86**, 663.
Choi, Hyeong In. *On the Liouville theorem for harmonic maps*, **85**, 91.
Christensen, Jens Peter Reus. *Theorems of Namioka and R. E. Johnson type for upper semicontinuous and compact valued set-valued mappings*, **86**, 649.

Cima, Joseph A. and Globevnik, Josip. *Analytic continuation on complex lines*, 85, 411.
Clancey, K. See Azoff, E.
Clunie, J. G. See Barth, K. F.
Cohen, Miriam and Rubin, Matatyahu. *Lattices of continuous monotonic functions*, 86, 685.
Cohn, P. M. *On a theorem from "skew field constructions"*, 84, 1.
Colvin, Michael and Morrison, Kent. *A symplectic fixed point theorem on open manifolds*, 84, 601.
Comfort, W. W. and Robertson, Lewis C. *Proper pseudocompact extensions of compact Abelian group topologies*, 86, 173.
Conrey, J. Brian and Rubel, Lee A. *On the location of the zeros of the derivative of a polynomial*, 86, 37.
Cormack, A. M. *The Radon transform on a family of curves in the plane. II*, 86, 293.
Courter, R. C. *Finite dimensional right duo algebras are duo*, 84, 157.
Couture, Raymond. *Un théorème de Denjoy-Carleman sur une courbe du plan complexe*, 85, 401.
Cox, David C. *The best constant in Burkholder's weak-$L^1$ inequality for the martingale square function*, 85, 427.
Crombez, G. *An elementary proof about the order of the elements in a discrete group*, 85, 59.
Curtis, C. W. and Lehrer, G. I. *A new proof of a theorem of Solomon-Tits*, 85, 154.
Cusick, T. W. *View-obstruction problems. II*, 84, 25.
Cwikel, Michael and Reisner, Shlomo. *Interpolation of uniformly convex Banach spaces*, 84, 555.
Dahmen, Wolfgang and Micchelli, Charles A. *On entire functions of affine lineage*, 84, 344.
Dajczer, M. See do Carmo, M.
Damiano, Robert F. *The global dimension of FBN rings with enough clans*, 86, 25.
Dang-Ngoc, Nghiem. *A random ergodic theorem in von Neumann algebras*, 86, 605.
Davis, S. W. *Cauchy conditions on symmetrics*, 86, 349.
Dekster, B. V. *Global behavior of curves in a space of positive curvature*, 85, 419.
———. *Inequalities of Gauss-Bonnet type for a convex domain*, 86, 632.
Deneen, Linda L. *On the lattice of subalgebras of an algebra*, 86, 189.
Deo, Satya. *Sheaf theoretic cohomological dimension and finitistic spaces*, 86, 545.
Desale, G. B. and Varadarajan, K. *Extension of a result of Beachy and Blair*, 84, 335.
Deveney, James K. *Ruled function fields*, 86, 213.
Ding, Tung-ren. *An infinite class of periodic solutions of periodically perturbed Duffing equations at resonance*, 86, 47.
Dixon, P. G. *An example for factorization theory in Banach algebras*, 86, 65.
Dobrowolski, T. and Mogilski, J. *Sigma-compact locally convex metric linear spaces universal for compacta are homeomorphic*, 85, 653.
Dodziuk, Jozef. *Eigenvalues of the Laplacian on forms*, 85, 437.
Dorea, Chang C. Y. *A characterization of the multiparameter Wiener process and an application*, 85, 267.
Dow, Alan and van Mill, Jan. *An extremally disconnected Dowker space*, 86, 669.
Drake, David A. and Sane, Sharad S. *Maximal intersecting families of finite sets and n-uniform Hjelmslev planes*, 86, 358.
Dubins, Lester E. *A zero-one, Borel probability which admits of no countably additive extensions*, 86, 273.
Duffus, D., Rival, I. and Winkler, P. *Minimizing setups for cycle-free ordered sets*, 85, 509.
Dydak, Jerzy. *On finitely dominated CW complexes*, 84, 275.
Earnest, A. G. and Körner, O. H. *On ideal class groups of 2-power exponent*, 86, 196.
Ejiri, Norio. *Totally real minimal immersions of n-dimensional real space forms into n-dimensional complex space forms*, 84, 243.
———. *Totally real minimal submanifolds in a complex projective space*, 86, 496.
Elaydi, Saber. *Criteria for regionally recurrent flows*, 85, 461.
El Kohen, A. *On Fourier integral operators*, 85, 567.
Eloe, P. W. *Difference equations and multipoint boundary value problems*, 86, 253.
Escobales, Richard H., Jr. *Sufficient conditions for a bundle-like foliation to admit a Riemannian submersion onto its leaf space*, 84, 280.
Evans, E. Graham and Griffith, Phillip. *Order ideals of minimal generators*, 86, 375.
Ewell, John A. *Completion of a Gaussian derivation*, 84, 311.
———. *A simple derivation of Jacobi's four-square formula*, 85, 323.

Farkas, D. R., Schofield, A. H., Snider, R. L. and Stafford, J. T. *The isomorphism question for division rings of group rings*, **85**, 327.
Fay, Temple H., Rajagopalan, M. and Smith-Thomas, Barbara V. *Embedding the free group $F(X)$ into $F(\beta X)$*, **84**, 297.
Feintuch, Avraham. *Factorization along nest algebras*, **84**, 192.
Felix, Rainer. *When is a Kirillov orbit a linear variety?*, **86**, 151.
Felzenszwalb, B. *Derivations in prime rings*, **84**, 16.
Feng, Kequin. *On the first factor of the class number of a cyclotomic field*, **84**, 479.
Ferri, Massimo and Gagliardi, Carlo. *The only genus zero n-manifold is $S^n$*, **85**, 638.
Fong, C. K., Miers, C. R. and Sourour, A. R. *Lie and Jordan ideals of operators on Hilbert space*, **84**, 516.
Forelli, Frank. *A note on ideals in the disc algebra*, **84**, 389.
Fournier, John J. F. *Two UC-sets whose union is not a UC-set*, **84**, 69.
Fox, Ralph. *Solution of the $\gamma$-space problem*, **85**, 606.
Frame, Michael. *On the inertia groups of fibre bundles*, **85**, 289.
Fuller, K. R. See Camillo, V. P.
Gagliardi, Carlo. See Ferri, Massimo.
Gallagher, Patrick X., Ramsey, L. Thomas and Wells, Benjamin B. *Asymptotic evaluation of Gauss polynomials*, **86**, 15.
Galloway, Gregory J. *Compactness criteria for Riemannian manifolds*, **84**, 106.
Ganong, R. *Plane Frobenius sandwiches*, **84**, 474.
Gardner, M. L. and Harary, F. *Erratum to "Characterization of (r, s)-adjacency graphs of complexes"*, **86**, 188.
Gevirtz, Julian. *Injectivity of quasi-isometric mappings of balls*, **85**, 345.
Ghoussoub, N. *Renorming dual Banach lattices*, **84**, 521.
Gill, John. *Converging factors for continued fractions $K(a_n/1)$, $a_n \to 0$*, **84**, 85.
Globevnik, Josip. *On boundary values of holomorphic functions on balls*, **85**, 61.
———. See Cima, Joseph A.
Gohberg, I. See Azoff, E.
Goldman, William M., Hirsch, Morris W. and Levitt, Gilbert. *Invariant measures for affine foliations*, **86**, 511.
Goldstein, Norman. *Conull hypersurfaces in Minkowski space*, **85**, 531.
Goodson, G. R. *On the ergodicity of a class of real skew product extensions of approximations*, **86**, 417.
Gotay, Mark J. *On coisotropic imbeddings of presymplectic manifolds*, **84**, 111.
Graf, S. and Mägerl, G. *Baire sections for group homomorphisms*, **85**, 615.
Graff, Richard A. and Ruess, Wolfgang M. *Appropriate locally convex domains for differential calculus*, **86**, 331.
Granata, Antonio. *On factorizations of selfadjoint ordinary differential operators*, **86**, 260.
Green, Paul. *On holomorphic graded manifolds*, **85**, 587.
Gregory, Thomas B. *On simple reducible depth-two Lie algebras with classical reductive null component*, **85**, 318.
Greim, Peter. *An extremal vector-valued $L^p$-function taking no extremal vectors as values*, **84**, 65.
———. See Cambern, Michael.
Griffith, Phillip. See Evans, E. Graham.
*Grove, Larry C. *Dickson's pseudodeterminant without matrices*, **86**, 695.
Gudder, Stanley P. *Hilbertian interpretations of manuals*, **85**, 251.
Guinand, P. S. *On quasinilpotent semigroups of operators*, **86**, 485.
Gulliver, Robert and Morgan, Frank. *The symmetry group of a curve preserves a plane*, **84**, 408.
Gupta, C. K. *On the conjugacy problem for $F/R'$*, **85**, 149.
Gutek, Andrzej and Hagopian, Charles L. *A nonmetric indecomposable homogeneous continuum every proper subcontinuum of which is an arc*, **86**, 169.
Hadžić, Olga. *A fixed point theorem for the sum of two mappings*, **85**, 37.
Hagopian, Charles L. See Gutek, Andrzej.
Hale, Margie. *Homeomorphism groups of some direct limit spaces*, **85**, 661.
Hamilton, D. H. *The extreme points of $\Sigma$*, **85**, 393.
———. *On Littlewood's conjecture for univalent functions*, **86**, 32.
Handel, Michael. *A pathological area preserving $C^\infty$ diffeomorphism of the plane*, **86**, 163.

Happel, Dieter. *Composition factors for indecomposable modules*, **86**, 29.
Harary, F. See Gardner, M. L.
Harmelin, Reuven. *On sets of mutually disjoint univalent meromorphic functions*, **86**, 439.
*Harris, Lawrence A. *An inequality for trigonometric polynomials*, **84**, 155.
Hart, Klaas Pieter. *More on M. E. Rudin's Dowker space*, **86**, 508.
Hartwig, Robert E. *On a theorem of Flanders*, **85**, 310.
Harvey, J. M. *A note on topological hom-functors*, **85**, 517.
Hasanis, Th. *Conformally flat spaces and a pinching problem on the Ricci tensor*, **86**, 312.
Hastings, Harold M. and Heller, Alex. *Homotopy idempotents on finite-dimensional complexes split*, **85**, 619.
Hastings, Maryam Shayegan. *On heminearness spaces*, **86**, 567.
Hattori, Harumi. *The partial differential equation* $u_t + f(u)_x = -cu$, **86**, 395.
Heller, Alex. See Hastings, Harold M.
Henderson, James P. *A cellular map between nonhomeomorphic polyhedra whose nondegeneracy set is a null sequence*, **85**, 447.
Herzog, J. *Strict local rings*, **84**, 165.
Hill, Paul. *The recovery of some Abelian groups from their socles*, **86**, 553.
Hirsch, Morris W. See Goldman, William M.
Hitt, L. R. and Sumners, D. W. *There exist arbitrarily many different disk knots with the same exterior*, **86**, 148.
Hodes, Harold. *Jumping to a uniform upper bound*, **85**, 600.
Hofmann, Karl H., Liukkonen, John R. and Mislove, Michael W. *Compact extensions of compactly generated nilpotent groups are pro-Lie*, **84**, 443.
Holland, S. M., Light, W. A. and Sulley, L. J. *On proximinality in* $L_1(T \times S)$, **86**, 279.
Hollig, Klaus. See de Boor, Carl.
Hooghiemstra, G. *On the explicit form of the density of Brownian excursion local time*, **84**, 127.
Hu, Thakyin and Rosen, Harvey. *Locally contractive and expansive mappings*, **86**, 656.
Hudson, Richard H. and Williams, Kenneth S. *Cauchy-type congruences for binomial coefficients*, **85**, 169.
Huneke, Craig. *A remark concerning multiplicities*, **85**, 331.
Hung, H. H. *On developability*, **85**, 275.
Hwang, J. S. *A difference between minimal and ordinary fine topology in function theory*, **85**, 239.
Isbell, John. *Completion of a construction of Johnstone*, **85**, 333.
Ismail, Mourad E. H. and Miller, Kenneth S. *An infinitely divisible distribution involving modified Bessel functions*, **85**, 233.
Ito, Ryuichi. *Minimal entropy for endomorphisms of the circle*, **86**, 321.
Jain, S. K. *Nonnegative rectangular matrices having certain nonnegative W-weighted group inverses*, **85**, 1.
Jajodia, Sushil. *Combinatorial equivalence between group presentations*, **85**, 165.
Järvi, Pentti. *Removable singularities for* $H^p$*-functions*, **86**, 596.
Jenkins, James A. *A uniqueness result in conformal mapping. II*, **85**, 231.
Johnson, Jerry and Wolfe, John. *Norm attaining operators and simultaneously continuous retractions*, **86**, 609.
Jonker, Leo. *A monotonicity theorem for the family* $f_a(x) = a - x^2$, **85**, 434.
Jorgensen, Troels. *Traces in 2-generator subgroups of* SL(2, C), **84**, 339.
———. *Simple geodesics on Riemann surfaces*, **86**, 120.
Jungck, Gerald. *The cohesive property*, **84**, 138.
Juhász, Arye. *Some remarks on Brauer's Third Main Theorem*, **86**, 363.
Kaftal, Victor. *Relative weak convergence in semifinite von Neumann algebras*, **84**, 89.
Kalton, N. J., Peck, N. T. and Roberts, James W. $L_0$*-valued vector measures are bounded*, **85**, 575.
Kaneto, Takeshi. *On simple loops on a solid torus of general genus*, **86**, 551.
Kann, Edgar. *Glidebending of general caps: An infinitesimal treatment*, **84**, 247.
Karakostas, George. *Regular operator equations: Conditions for regularity*, **86**, 219.
Karrer, Guido. *Representing triples of a symplectic manifold*, **86**, 370.
Katchalski, Meir. See Bárány, Imre.
Katuta, Yûkiti. *On the covering dimension of inverse limits*, **84**, 588.
Katz, Eli and Morris, Sidney A. *On endomorphisms of abelian topological groups*, **85**, 181.

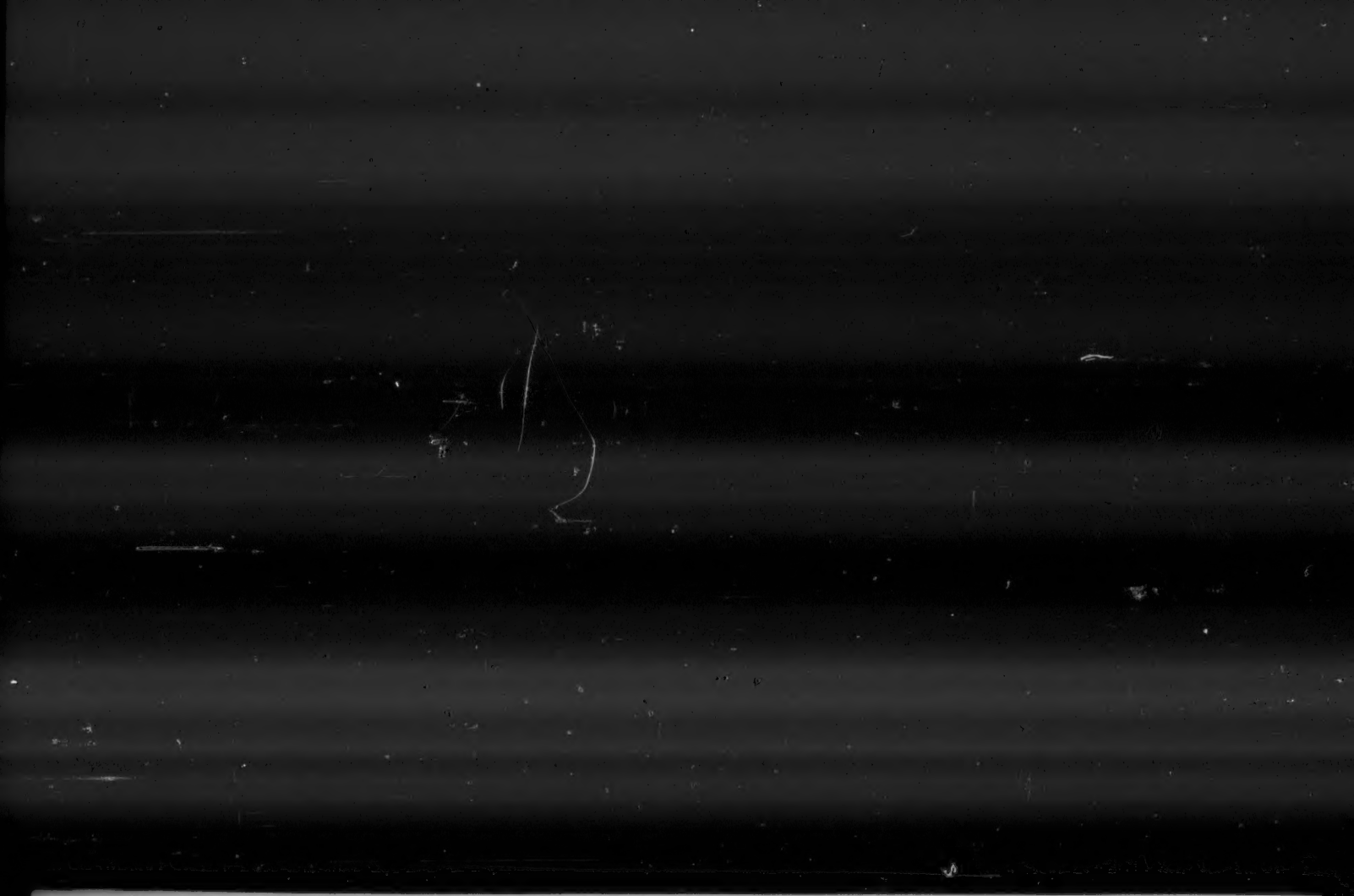
Kawamura, Shinzō, *Property L and asymptotic abelianness for von Neumann algebras of type I*, 84, 365.
Keagy, T. A. *On a gap Tauberian theorem of Lorentz and Zeller*, 86, 459.
Keesling, James and Wilson, David C. *A solution to a problem of Eilenberg concerning dimension lowering mappings*, 86, 159.
Khosravi, A. *Derivations on commutative Banach algebras*, 84, 60.
Khuri, Soumaya Makdissi. *Modules whose endomorphism rings have isomorphic maximal left and right quotient rings*, 85, 161.
Kieffer, John C. and Stanojević, Časlav V. *The Lebesgue integral as the almost sure limit of random Riemann sums*, 85, 389.
Knebusch, Manfred. *An algebraic proof of the Borsuk-Ulam theorem for polynomial mappings*, 84, 29.
Knight, Ronald A. *Dynamical systems satisfying certain stability and recursive criteria*, 85, 373.
———. *Unstable weak attractors*, 86, 586.
Kochman, Stanley O. *Polynomial generators for $H_*(BSU)$ and $H_*(BSO; Z_2)$*, 84, 149.
———. *Integral polynomial generators for the homology of BSU*, 86, 179.
Koohara, Akira. *Pseudoholomorphic functions with nonantiholomorphic characteristics*, 84, 217.
Korányi, A. and Vági, S. *Group theoretic remarks on Riesz systems on balls*, 85, 200.
Korbly, Letitia J. *Uniqueness of solutions of partial differential equations when the initial surface is characteristic at a point*, 86, 617.
Körner, O. H. See Earnest, A. G.
Kosaki, Hideki. *A Radon-Nikodym theorem for natural cones associated with von Neumann algebras*, 84, 207.
Kostreva, Michael M. *Finite test sets and P-matrices*, 84, 104.
Kronheimer, E. H. and Kronheimer, P. B. *Kakutani's theorem for real-valued maps on a compact surface*, 85, 256.
Kronheimer, P. B. See Kronheimer, E. H.
Kroó, A. *On unicity of complex polynomial $L_1$-approximation along curves*, 86, 427.
Kubelka, Richard P. *A formula for deviation from commutativity: The transfer and Steenrod squares*, 85, 119.
Kubota, Yoshihisa. *A note on holomorphic imbeddings of the classical Cartan domains into the unit ball*, 85, 65.
Kucera, J. and Bosch, C. *Dieudonné-Schwartz Theorem on bounded sets in inductive limits. II*, 86, 392.
Kumar, Arun. *Absolute total-effectiveness of a total effective $(N, p_n)$ method*, 84, 497.
Kura, Takeshi. *Oscillation theorems for a second order sublinear ordinary differential equation*, 84, 535.
Kůrková, Věra. *Cardinal functions on modifications of uniform spaces and fine uniform spaces*, 84, 593.
Kwong, Man Kam. *On certain comparison theorems for second order linear oscillation*, 84, 539.
Kwong, Man Kam and Wong, James S. W. *On the oscillation and nonoscillation of second order sublinear equations*, 85, 547.
Landweber, Peter S. *Finite homological dimension of $BP_*(X)$ for infinite complexes*, 84, 420.
Lappan, Peter. *Coefficients and normal functions*, 85, 335.
Lawson, Terry. *Splitting $S^4$ on $RP^2$ via the branched cover of $CP^2$ over $S^4$*, 86, 328.
Layton, William J. *Simplified $L^\infty$ estimates for difference schemes for partial differential equations*, 86, 491.
Leader, Solomon. *Uniformly contractive fixed points in compact metric spaces*, 86, 153.
Lee, Kyung Bai. *Geometric realization of $\pi_0^e(M)$*, 86, 353.
Lee, Sa Ge. *Approximate topology on $\mathrm{Rep}(A)$*, 86, 461.
Lee, Youn W. *Contractibly embedded 2-spheres in $S^2 \times S^2$*, 85, 280.
Lehrer, G. I. See Curtis, C. W.
Le Jan, Yves. *Quasi-continuous functions associated with a Hunt process*, 86, 133.
Levitt, Gilbert. See Goldman, William M.
Lewis, Paul W. See Bilyeu, Russell G.
Libera, Richard J. and Zlotkiewicz, Eligiusz J. *Early coefficients of the inverse of a regular convex function*, 85, 225.
Lichtenstein, Woody. *A system of quadrics describing the orbit of the highest weight vector*, 84, 605.

Light, W. A. See Holland, S. M.
Liu, M. C. See Chan, K. Y.
Liukkonen, John R. See Hofmann, Karl H.
Lockhart, Jody. *Markov-type properties*, **85**, 305.
Longstaff, W. E. *Subspace maps of operators on Hilbert space*, **84**, 195.
Lyons, Russell. *Measure-theoretic quantifiers and Haar measure*, **86**, 67.
*———. *A lower bound on the Cesàro operator*, **86**, 694.
McAdam, Stephen. *Two applications of asymptotic prime divisors*, **84**, 179.
McClendon, J. F. *Fixed points of subopen multifunctions*, **84**, 425.
*McConnell, Alan. *A simple proof of Radó's theorem*, **85**, 673.
McCoy, R. A. *Completely metrizable spaces of embeddings*, **84**, 437.
McCrimmon, Kevin and Nam, Ng Seong. *Middle nucleus = center in semiprime Jordan algebras*, **86**, 21.
Machado, Armando. *A locally closed set with a smooth group structure is a Lie group*, **84**, 303.
Madych, W. R. *Lipschitz spaces and mixed Lebesgue spaces*, **85**, 213.
Mägerl, G. See Graf, S.
Magid, Martin A. *Shape operators of Einstein hypersurfaces in indefinite space forms*, **84**, 237.
Marshall, Donald E., Stray, Arne and Sundberg, Carl. *Nondiscriminating sets for $H^\infty$*, **86**, 267.
Mateljević, Miodrag and Pavlović, Miroslav. *On the integral means of derivatives of the atomic function*, **86**, 455.
Matheson, A. *Mean growth and smoothness of analytic functions*, **85**, 219.
Mayne, Joseph H. *Ideals and centralizing mappings in prime rings*, **86**, 211.
Mead, D. G. and Narkiewicz, W. *The capacity of $C_5$ and free sets in $C_m^2$*, **84**, 308.
Megibben, Charles. *Countable injective modules are sigma injective*, **84**, 8.
Meyer, Paul R., Neumann-Lara, Victor and Wilson, Richard G. *Is every GO-topology a join of two orderable topologies*, **84**, 291.
Micchelli, Charles A. See Dahmen, Wolfgang.
Miers, C. R. See Fong, C. K.
Miles, Frank B. *A characterization of the uniform closure of the set of homeomorphisms of a compact totally disconnected metric space into itself*, **84**, 264.
van Mill, Jan. *Strong local homogeneity does not imply countable dense homogeneity*, **84**, 143.
———. See Dow, Alan.
Miller, Arnold W. *A characterization of the least cardinal for which the Baire category theorem fails*, **86**, 498.
Miller, Douglas E. *Index sets and Boolean operations*, **84**, 568.
Miller, Haynes. *An algebraic analogue of a conjecture of G. W. Whitehead*, **84**, 131.
Miller, Kenneth S. See Ismail, Mourad E. H.
Miniowitz, Ruth. *Normal families of quasimeromorphic mappings*, **84**, 35.
Misercque, Didier. *The nonhomogeneity of the E-tree—Answer to a problem raised by D. Jensen and A. Ehrenfeucht*, **84**, 573.
Mislove, Michael W. See Hofmann, Karl H.
Modica, Luciano, Mortola, Stefano and Salsa, Sandro. *A nonvariational second order elliptic operator with singular elliptic measure*, **84**, 225.
Mogilski, J. See Dobrowolski, T.
Moh, T. T. *A result on the set-theoretic complete intersection problem*, **86**, 19.
Mohamed, Saad and Müller, Bruno J. *Pseudo-semisimple rings*, **85**, 157.
Morgan, Frank. See Gulliver, Robert.
Morris, Sidney A. See Katz, Eli.
Morrison, Kent. See Colvin, Michael.
Mortola, Stefano. See Modica, Luciano.
Mullen, Gary L. *Polynomials over finite fields which commute with linear permutations*, **84**, 315.
Müller, Bruno J. See Mohamed, Saad.
Murphy, G. J. *Triangularizable algebras of compact operators*, **84**, 354.
Nadzieja, Tadeusz. *Attractors with positively Lyapunov stable trajectories*, **86**, 87.
Narkiewicz, W. See Mead, D. G.
Nebbia, Claudio. *Multipliers and asymptotic behaviour of the Fourier algebra of nonamenable groups*, **84**, 549.
Neumann-Lara, Victor. See Meyer, Paul R.

Newman, D. J. *Finite type functions as limits of exponential sums*, 86, 602.
Ng, S. M. See Chan, K. Y.
Nitecki, Zbigniew. *Maps of the interval with closed periodic set*, 85, 451.
Nobuaki, Yagita. See Shiga, Hiroo.
Norwood, F. H. *Every two-generator knot is prime*, 86, 143.
Nualart, David and Sanz, Marta. *A singular stochastic integral equation*, 86, 139.
Nulton, James D. and Stolarsky, Kenneth B. *The first sign change of a cosine polynomial*, 84, 55.
Ogawa, Roy H. *On the surjectivity of* $\Gamma(E) \otimes \Gamma(F) \to \Gamma(E \otimes F)$, 85, 342.
Oh, A. D. *Schur indices in finite quaternion-free groups*, 85, 514.
Ohta, Haruto. *A space of pointwise countable type and perfect maps*, 85, 139.
Okazaki, Yoshiaki. *Orthogonal expansions of vectors in a Hilbert space for non-Gaussian measures*, 86, 638.
Önder, Turgut. *On quaternionic James numbers and almost-quaternion substructures on the sphere*, 86, 535.
Onose, Hiroshi. *Oscillation criteria for the sublinear Schrödinger equation*, 85, 69.
Opolka, Hans. *Some remarks on the Hasse norm theorem*, 84, 464.
Osborne, R. P. *Heegaard diagrams of lens spaces*, 84, 412.
Osĺowski, B. J. *A negative answer to three questions on K-primitive rings*, 84, 33.
Oyma, Knut and Rookshin, Serge. *Derivatives of* $H^p$ *functions*, 84, 97.
Pach, Janos. See Bárány, Imre.
Papastavridis, Stavros. *Generators of* $H^*(MSO; Z_2)$ *as a module over the Steenrod algebra, and the oriented cobordism ring*, 84, 285.
———. See Charitos, Leonidas.
Passty, Gregory B. *Construction of fixed points for asymptotically nonexpansive mappings*, 84, 212.
Paulowich, D. G. *Trees are contractible*, 84, 429.
Paulsen, Vern I. *Completely bounded maps on* $C^*$*-algebras and invariant operator ranges*, 86, 91.
Pavlović, Miroslav. See Mateljević, Miodrag.
Pearce, Kent. *A product theorem for* $_p$ *classes and an application*, 84, 509.
Peck, N. T. See Kalton, N. J.
Pelc, Andrzej. *Semiregular invariant measures on abelian groups*, 86, 423.
Peltier, Charles F. and Beem, R. Paul. *Involutions on Dold manifolds*, 85, 457.
Perrone, Domenico. *On the minimal eigenvalue of the Laplacian operator for p-forms in conformally flat Riemannian manifolds*, 86, 103.
Pfeffer, W. F. *The spaces which contain an S-space*, 85, 659.
Pigno, Louis and Smith, Brent. *Quantitative behaviour of the norms of an analytic measure*, 86, 581.
Pillay, Anand. *Weakly homogeneous models*, 86, 126.
Pisier, Gilles. *Quotients of Banach spaces of cotype q*, 85, 32.
Powell, Wayne B. and Tsinakis, Constantine. *Free products of abelian l-groups are cardinally indecomposable*, 86, 385.
Prasad, G. and Singh, T. *On steady incompressible three-dimensional hydromagnetic flows*, 85, 79.
Przymusiński, Teodor C. *Perfectly normal compact spaces are continuous images of* $\beta N \setminus N$, 86, 541.
Quigg, John C. *On the irreducibility of an induced representation*. II, 86, 345.
Quine, J. R. *A Plücker equation for curves in real projective space*, 85, 103.
Rajagopalan, M. See Fay, Temple H.
Rall, L. B. *A theory of interval iteration*, 86, 625.
Ramakrishnan, Dinakar. *On the monodromy of higher logarithms*, 85, 596.
Ramm, A. G. *Perturbations preserving asymptotics of spectrum with remainder*, 85, 209.
Ramsey, L. Thomas, See Gallagher, Patrick X.
Rao, T. S. S. R. K. *Isometries of* $A_C(K)$, 85, 544.
Ratcliffe, J. G. See Brunner, A. M.
Redmond, Don. *A generalization of a theorem of Ayoub and Chowla*, 86, 574.
Reich, J. I. See Blum, J. R.
Reisner, Shlomo. See Cwikel, Michael.
Ressel, Paul. *A topological version of Slutsky's theorem*, 85, 272.
Rhaly, H. C. Jr., *Discrete generalized Cesàro operators*, 86, 405.
Riddle, Lawrence H. *The geometry of weak Radon-Nikodym sets in dual Banach spaces*, 86, 433.

Rippon, P. J. *A radial uniqueness theorem for meromorphic functions*, **85**, 572.
Rival, I. See Duffus, D.
Roberts, James W. See Kalton, N. J.
Robertson, C. See Comfort, W. W.
Rookshin, Serge. See Øyma, Knut.
Rosen, Harvey. See Hu, Thakyin.
*Rosenberg, Steven. *Gauss-Bonnet theorems for noncompact surfaces*, **86**, 184.
Rosenholtz, Ira. *Counting fixed points*, **86**, 341.
Rosenoer, Shlomo. *Distance estimates for von Neumann algebras*, **86**, 248.
Rovnyak, James. *A converse to von Neumann's inequality*, **84**, 370.
Rowan, Louis H. and Saltman, David J. *Dihedral algebras are cyclic*, **84**, 162.
Roy, Nina M. *Extreme points and $l_1(\Gamma)$-spaces*, **86**, 216.
Rubel, Lee A. See Conrey, J. Brian.
Rubin, Matatyahu. See Cohen, Miriam.
Ruess, Wolfgang M. See Graff, Richard A.
Saab, Elias. *On Dunford-Pettis operators that are Pettis-representable*, **85**, 363.
———. *Some characterizations of weak Radon-Nikodym sets*, **86**, 307.
Saab, Elias and Saab, Paulette. *A stability property of a class of Banach spaces not containing a complemented copy of $l_1$*, **84**, 44.
Saab, Paulette. See Saab, Elias.
Saban, Giacomo. *A characteristic property of the sphere*, **86**, 123.
Salsa, Sandro. See Modica, Luciano.
Saltman, David J. See Rowen, Louis H.
Sander, Wolfgang. *A duality principle*, **84**, 609.
Sane, Sharad S. See Drake, David A.
Sanz, Marta. See Nualart, David.
Sario, Leo. See Beaver, Bradley.
Sarraillé, J. J. *Noetherian PI rings not module-finite over any commutative subring*, **84**, 457.
Schechtman, Gideon. *On commuting families of nonexpansive operators*, **84**, 373.
Schiff, J. L. *A uniqueness theorem for superharmonic functions in $\mathbf{R}^n$*, **84**, 362.
Schofield, A. H. See Farkas, D. R.
Schramm, Michael and Waterman, Daniel. *On the magnitude of Fourier coefficients*, **85**, 407.
Schulz, Rainer. *The endomorphism ring of an artinian module whose homogeneous length is finite*, **86**, 209.
Seese, Detlef, Tuschik, Peter and Weese, Martin. *Undecidable theories in stationary logic*, **84**, 563.
Seifert, George. *Almost periodic solutions for a certain class of almost periodic systems*, **84**, 47.
Shafer, Douglas S. See Chicone, Carmen.
Shiga, Hiroo and Nobuaki, Yagita. *Graded algebras having a unique rational homotopy type*, **85**, 623.
Shih, Mau-Hsiang and Wang, Hann-Tzong. *Unit lemniscates contained in the unit ball*, **86**, 451.
Shih, Mau-Hsiang and Yeh, Cheh-Chih. *On fixed point theorems of contractive type*, **85**, 465.
Shore, Richard A. *Finitely generated codings and the degrees r.e. in a degree* **d**, **84**, 256.
Shujie, Li. See Chang, Kung-Ching.
Sibley, Thomas Q. *Ultrafilter limits and finitely additive probability*, **84**, 560.
Siebe, Wilfried. *On the Sobczyk-Hammer decomposition of additive set functions*, **86**, 447.
Singh, T. See Prasad, G.
Smith, Brent. *The dependence of mass upon wind*, **85**, 206.
———: See Pigno, Louis.
Smith, J. C. and Telgarsky, Rastislav. *Order-cushioned refinements and normality*, **85**, 475.
Smith, Kirby C. *The lattice of left ideals in a centralizer near-ring is distributive*, **85**, 313.
Smith, Larry. *The nonrealizability of modular rings of polynomial invariants by the cohomology of a topological space*, **86**, 339.
Smith-Thomas, Barbara V. See Fay, Temple H.
Snider, R. L. See Farkas, D. R.
Sourour, A. R. See Fong, C. K.
Stafford, J. T. See Farkas, D. R.
Stallings, John R. *Topologically unrealizable automorphisms of free groups*, **84**, 21.
Stanojević, Časlav V. See Kieffer, John C.

Stanojevic, Vera B. *$L^1$-convergence of Fourier series with complex quasimonotone coefficients*, **86**, 241.
Stepp, J. W. See Brown, D. R.
Steprāns, Juris. *Cardinal arithmetic and $\aleph_1$-Borel sets*, **84**, 121.
Stolarsky, Kenneth B. See Nulton, James D.
Stong, R. E. *Splitting universal bundles over flag manifolds*, **84**, 576.
Størmer, Erling. *Decomposable positive maps on C*-algebras*, **86**, 402.
Stout, Edgar Lee. *The dimension of peak-interpolation sets*, **86**, 413.
Stray, Arne. See Marshall, Donald E.
Stromquist, Walter R. See Albertson, Michael O.
Sukla, Indulata. *A Tauberian theorem for strong Abel summability type*, **84**, 185.
Sulley, L. J. See Holland, S. M.
Sumners, D. W. See Hitt, L. R.
Sundberg, Carl. See Marshall, Donald E.
Sunder, V. S. *Distance between normal operators*, **84**, 483.
Suzuki, Haruo. *Foliation preserving Lie group actions and characteristic classes*, **85**, 633.
Svendsen, E. C. *Unitary one-parameter groups with finite speed of propagation*, **84**, 357.
Szabó, Kálmán. *A counterexample to a conjecture in linear second-order differential equations*, **86**, 613.
Szafraniec, F. H. *Subnormals in C*-algebras*, **84**, 533.
Székelyhidi, L. *On a theorem of Baker, Lawrence and Zorzitto*, **84**, 95.
Szeptycki, P. and Van Vleck, F. S. *Centers and nearest points of sets*, **85**, 27.
Takeuchi, Mitsuhiro. *A simple proof of the extension theorem of sequences of divided powers in characteristic p*, **84**, 175.
Talagrand, Michel. *La pathologie des relèvements invariants*, **84**, 379.
Tall, Franklin D. *Collectionwise normality without large cardinals*, **85**, 100.
Tamura, Takayuki. *Free E-m groups and free E-m semigroups*, **84**, 318.
———. *Strongly reversible groups*, **84**, 325.
Tanaka, Hidenori. *Paracompactness of Pixley-Roy hyperspaces. I*, **85**, 108.
———. *Paracompactness of Pixley-Roy hyperspaces. II*, **85**, 113.
Tanaka, Yoshio. *Products of CW-complexes*, **86**, 503.
Tang, C. Y. *Conjugacy separability of certain 1-relator groups*, **86**, 379.
Tannenbaum, Allen. *A note on linear systems on K-3 surfaces*, **86**, 6.
Telgarsky, Rastislav. See Smith, J. C.
Terada, Toshiji and Terasawa, Jun. *Maximal extensions of first-countable spaces*, **85**, 95.
Terasawa, Jun. See Terada, Toshiji.
Thompson, Robert C. *An inequality for invariant factors*, **86**, 9.
———. *Cyclic relations and the Goldberg coefficients in the Campbell-Baker-Hausdorff formula*, **86**, 12.
Thomsen, Klaus. *Jordan-morphisms in *-algebras*, **86**, 283.
Todorov, Gordana. *A note on preprojective partitions over hereditary artin algebras*, **85**, 523.
Tong, Jingcheng. *The asymptotic behavior of a class of nonlinear differential equations of second order*, **84**, 235.
Travaglini, Giancarlo. *The translation invariant uniform approximation property for compact groups*, **86**, 410.
Trung, Ngô Viêt. *On certain transitivity of the graded ring associated with an ideal*, **85**, 489.
Tsinakis, Constantine. See Powell, Wayne B.
Tung, S. H. *Bernstein's theorem for the polydisc*, **85**, 73.
Tuschik, Peter. See Seese, Detlef.
Tweddle, Ian. *Topologies of pointwise convergence on families of extremal points and weak compactness*, **86**, 85.
Ünlü, Yusuf. *Spaces for which the generalized Cantor space $2^J$ is a remainder*, **86**, 673.
Vági, S. See Korányi, A.
Van Vleck, F. S. See Szeptycki, P.
Varadarajan, K. See Desale, G. B.
Verma, A. See Al-Salam, W. A.
Vinograd, Robert E. *A projected trace and partwise isometric transformations of almost periodic systems*, **86**, 299.

Vinograd, Robert E. *A remark on linear differential systems with the same invariant subbundles*, 86, 305.
Vinsonhaler, C. and Wickless, W. J. *The cotypeset of a torsion free abelian group of rank two*, 84, 467.
Vogt, Rainer M. *A note on infinite loop space multiplications*, 85, 297.
Wade, William R. and Yoneda, Kaoru. *Uniqueness and quasi-measures on the group of integers of a p-series field*, 84, 202.
Wagon, Stanley. *The use of shears to construct paradoxes in* $R^2$, 85, 353.
Walsh, John J. *Homological embedding properties of the fibers of a map and the dimension of its image*, 85, 135.
Walsh, John J. and Wright, David G. *Taming compacta in* $E^4$, 86, 646.
Waner, Stefan. *A generalization of the cohomology of groups*, 85, 469.
Wang, Cecilia. See Beaver, Bradley.
Wang, Hann-Tzong. See Shih, Mau-Hsiang.
Wang, S. P. *On anisotropic solvable linear algebraic groups*, 84, 11.
Waterhouse, William C. *The unit groups of affine algebraic monoids*, 85, 506.
Waterman, Daniel. See Schramm, Michael.
Webster, S. M. *Holomorphic mappings of domains with generic corners*, 86, 236.
Weese, Martin. See Seese, Detlef.
Weiss, Richard. *Graphs with subconstituents containing* $L_3(p)$, 85, 666.
*Weizsäcker, H. V. *The nonexistence of "liftings" for arithmetic density*, 86, 692.
Wells, Benjamin B. See Gallagher, Patrick X.
Wen, L. Z. *On the uniform asymptotic stability in functional differential equations*, 85, 533.
Whitehead, Jennifer. *Hypercentral residuals of a join of subnormal subgroups*, 85, 15.
Wickless, W. J. See Vinsonhaler, C.
Wickstead, Anthony W. *Spectral properties of compact lattice homomorphisms*, 84, 347.
Williams, Kenneth S. See Hudson, Richard H.
Willis, George. *Factorization in codimension one ideals of group algebras*, 86, 599.
Wilson, David C. See Keesling, James.
Wilson, Richard G. See Meyer, Paul R.
Wine, J. D. *Extending expansive homeomorphisms*, 86, 531.
Winkler, P. See Duffus, D.
Wirths, Karl-Joachim. *On holomorphic functions satisfying* $|f(z)|(1 - |z|^2) \leq 1$ *in the unit disc*, 85, 19.
Wojtaszczyk, P. *On functions in the ball algebra*, 85, 184.
Wolfe, John. See Johnson, Jerry.
Wolpert, Scott. *A generalization of the Ahlfors-Schwarz lemma*, 84, 377.
Wong, James C. S. *On left thickness of subsets in semigroups*, 84, 403.
———. *On the relation between left thickness and topological left thickness in semigroups*, 86, 471.
———. See Kwong, Man Kam.
Wordingham, J. R. *The left regular *-representation of an inverse semigroup*, 86, 55.
Wörz-Busekros, Angelika. *Remark on a conjecture of Kaplan and Yorke*, 85, 381.
Wright, David G. *Geometric taming of compacta in* $E^n$, 86, 641.
———. See Walsh, John J.
Wrobel, Volker. *Analytic functions into Banach spaces and a new characterization for isomorphic embeddings*, 85, 539.
Wulfsohn, Aubrey. *Factorisation of characteristic functions on noncommutative groups*, 86, 287.
Würfel, Tilmann, *On the divisible part of the Brauer group of a field*, 84, 173.
Yadav, B. S. and Chatterjee, S. *On a characterization of invariant subspace lattices of weighted shifts*, 84, 492.
Yamamoto, Kazuhiro. *Strictly hypoelliptic second order differential operators*, 85, 187.
Yamamoto, Makoto. *Lower bounds for the unknotting numbers of certain torus knots*, 86, 519.
Yang, C. H. *Hadamard matrices and 6-codes of length* $3n$, 85, 480.
Yang, Qian Xun. *A note on* $4/n = 1/x + 1/y + 1/z$, 85, 496.
Yano, Koichi. *Topological entropy of foliation preserving diffeomorphisms*, 85, 293.
Yeh, Cheh-Chih. *Oscillation theorems for nonlinear second order differential equations with damped term*, 84, 397.

Yeh, Cheh-Chih. See Shih, Mau-Hsiang.
Yen, Chi-Lin. *Fixed points of nonexpansive condensing multi-valued mappings on metric spaces*, 84, 415.
Yomdin, Yosef. *The structure of a critical set of a complete intersection singularity*, 84, 383.
Yoneda, Kaoru. See Wade, William R.
Yorozu, Shinsuke. *Killing vector fields on complete Riemannian manifolds*, 84, 115.
Young, Eutiquio C. See Altin, Abdullah.
Young, Wo-Sang. *Weighted norm inequalities for the Hardy-Littlewood maximal function*, 85, 24.
Zaheer, Neyamat and Alam, Mahfooz. *Certain applications of the theory of polar-composite polynomials*, 85, 383.
Zannier, U. *On the distribution of self-numbers*, 85, 10.
Zayed, Ahmed I. *Recoverability of some classes of analytic functions from their boundary values*, 86, 97.
Zlotkiewicz, Eligiusz J. See Libera, Richard J.